

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.-7. (canceled).

8. (currently amended): A recording material processing apparatus for processing recording materials of plural types that are different in a processing condition, comprising:
plural liquid baths, arranged sequentially on a path, for processing a recording material in passing said recording material through and serially, said plural liquid baths constituting plural bath groups including a first bath group and a second bath group disposed downstream from said first bath group;
a first transporting mechanism for transporting said recording material through said first bath group;
a first driving unit for driving said first transporting mechanism at a variable transporting speed;
a second transporting mechanism for transporting said recording material through said second bath group;
a second driving unit for driving said second transporting mechanism at a variable transporting speed; and

a controller for controlling said first and second driving units, and for changing said transporting speed of said first and second transporting mechanisms individually from one another according to a type of said recording material among said types;

wherein said first and second bath groups are supplied with a succeeding photosensitive material next to said photosensitive material, and when said photosensitive material exits from said first or second bath group, said controller controls said first or second driving units, and sets said transporting speed according to a processing condition of said succeeding photosensitive material before entry of said succeeding photosensitive material into said first or second bath group;

wherein said first bath group is supplied with said succeeding photosensitive material upon a lapse of delay time T after supplying said first bath group with said photosensitive material, and said delay time T satisfies a condition of:

$$T = L2/V1 - L1/V2$$

where V1 is a transporting speed of said photosensitive material,

V2 is a transporting speed of said succeeding photosensitive material, and is higher than

V1,

L1 is a path length of transport through said first bath group, and

L2 is a path length of transport through said second bath group.

9.- 10. (canceled).

11. (currently amended): A recording material processing apparatus as defined in claim 408, further comprising plural sensors, associated with respectively said bath groups, for detecting passage of said photosensitive material through said bath groups;

wherein said controller is responsive to an output of respectively said sensors, and changes over one driving unit to said transporting speed according to a type of said succeeding photosensitive material, said one driving unit being among said driving units and associated with one bath group after passage of said photosensitive material among said bath groups.

12. (currently amended): A recording material processing apparatus as defined in claim 408, wherein said plural liquid baths include a color developing bath, a fixing bath and rinsing baths arranged in a downstream sequence, said first bath group has said color developing bath and said fixing bath, and said second bath group has said rinsing baths.

13. (currently amended): A recording material processing apparatus as defined in claim 408, wherein said plural bath groups further includes a third bath group, said plural liquid baths include a color developing bath, a fixing bath and rinsing baths arranged in a downstream sequence, said first bath group has said color developing bath, said second bath group has said fixing bath, and said third bath group has said rinsing baths.

14. (currently amended): A recording material processing apparatus as defined in claim 408, wherein said controller has a data table constituted by information of said types of said

photosensitive material, and information of said transporting speed, associated with said types, for respectively said liquid baths.

15. (canceled). A recording material processing apparatus for processing recording materials of plural types that are different in a processing condition, comprising:
plural liquid baths, arranged sequentially on a path, for processing a recording material in
passing said recording material through and serially, said plural liquid baths constituting plural
bath groups including a first bath group and a second bath group disposed downstream from said
first bath group;
a first transporting mechanism for transporting said recording material through said first
bath group;
a first driving unit for driving said first transporting mechanism at a variable transporting
speed;
a second transporting mechanism for transporting said recording material through said
second bath group;
a second driving unit for driving said second transporting mechanism at a variable
transporting speed; and
a controller for controlling said first and second driving units, and for changing said
transporting speed of said first and second transporting mechanisms individually from one
another according to a type of said recording material among said types;
wherein said first and second bath groups are supplied with a succeeding photosensitive
material next to said photosensitive material, and when said photosensitive material exits from

said first or second bath group, said controller controls said first or second driving units, and sets said transporting speed according to a processing condition of said succeeding photosensitive material before entry of said succeeding photosensitive material into said first or second bath group;

wherein said recording material is a photosensitive material in a sheet form with one size;

~~A recording material processing apparatus as defined in claim 10,~~

wherein said first bath group is supplied with said succeeding photosensitive material upon a lapse of delay time T after supplying said first bath group with said photosensitive material, and said delay time T satisfies a condition of:

$$T = L2/V1 - L1/V2$$

where V1 is a transporting speed of said photosensitive material,

V2 is a transporting speed of said succeeding photosensitive material, and is higher than

V1,

L1 is a path length of transport through said first bath group, and

L2 is a path length of transport through said second bath group.

16. (original): A recording material processing apparatus as defined in claim 15, further comprising an advancing mechanism, actuated upon said lapse of said delay time T, for supplying said first bath group with said succeeding photosensitive material.

17. (original): A recording material processing apparatus as defined in claim 16, further comprising:

a drier section positioned downstream from said second bath group;
a drier-path transporting mechanism for transporting said photosensitive material through
said drier section; and
a drier-path driving unit for driving said drier-path transporting mechanism, and for
changing said transporting speed of said drier-path transporting mechanism according to said
type of said succeeding photosensitive material by control of said controller.

18.-23. (canceled).

24. (new): A recording material processing apparatus as defined in claim 8, further
comprising an advancing mechanism, actuated upon said lapse of said delay time T, for
supplying said first bath group with said succeeding photosensitive material.

25. (new): A recording material processing apparatus as defined in claim 24, further
comprising:

a drier section positioned downstream from said second bath group;
a drier-path transporting mechanism for transporting said photosensitive material through
said drier section; and
a drier-path driving unit for driving said drier-path transporting mechanism, and for
changing said transporting speed of said drier-path transporting mechanism according to said
type of said succeeding photosensitive material by control of said controller.